EOSDIS Core System Project

Interim Release One (Ir1) Version Description Document (VDD) for the ECS Project

Version 1.03

April 10, 1996

Hughes Information Technology Systems
Upper Marlboro, Maryland

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Prepared Under Contract NAS5-60000

SUBMITTED BY

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814-RD-004-004

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Preface

This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996. It is not a formal deliverable and does not require Government approval. However, it has been placed under configuration control by the ECS CCB. Changes to this document shall be made by document change notice (DCN) or by complete revision.

Any questions regarding distribution should be addressed to:

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Abstract

This document describes the delivery contents of Ir1 (also referred to as *the product*) components including Commercial Off-The-Shelf (COTS) hardware and software (*Ir1 COTS*), Version 1.00 of custom Ir1 ECS software (*Ir1 Software*) and accompanying documentation.

The purpose of this document is to describe the contents of the Ir1 delivery. It briefly describes the capabilities of the product, provides an inventory of the delivery, lists unresolved problems, and addresses issues such as special operating instructions, system limitations, and disclaimer notices for public domain software used in the product.

This document describes the configuration of Version 1.03 and the delta changes between Version 1.02 (see VDD, 814-RD-004-003) and Version 1.03 of Interim Release One (Ir1). This attachment reflects updates to software released as of April 10, 1996.

Keywords: version, description, release, software, Ir1, hardware, deliver, CCB, problems, instructions, TRMM, SSI&T, inventory

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Change Information Page

List of Effective Sections	
Section Number	**Issue**
4.3.1	Version 1.03
4.3.2	Version 1.03
4.3.4	Version 1.03
4.3.6	Version 1.03
5.2	Version 1.03
5.3	Version 1.03
Appendix F	Version 1.03

Document History			
Document Number	**Status/Issue**	**Publication Date**	**CCR Number**
814-RD-004-001	Original, Version 1.00	January 3, 1996	96-0044
814-RD-004-002	Version 1.01	January 31, 1996	96-0107
814-RD-004-003	Version 1.02	February 9, 1996	96-0108
814-RD-004-004	Version 1.03	April 10, 1996	96-0370

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814-RD-004-004

Contents

Preface

Abstract

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4.3.1 SCF/DAAC Toolkit

IR1, Version 1.03 IR1_TOOLKIT_041096.tar.Z Tar File Listing

- Files removed from IR1_TOOLKIT with this delivery

    — TOOLKIT/src/IO/GEN/PGS_IO.f

    — TOOLKIT/src/IO/GEN/PGS_IO_1.f

    — TOOLKIT/src/IO/GEN/PGS_PC.f

    — TOOLKIT/src/IO/GEN/PGS_PC_9.f

    — TOOLKIT/src/IO/GEN/PGS_SMF.f

- Addition of one new file to IR1_TOOLKIT with this delivery

    — TOOLKIT/src/PC/PGS_PC_GetPCFTemp.c

4.3.2 Communication Subsystem (CSS)

IR1, Version 1.03 IR1_CSS_SGI_040396.tar.Z Tar File Listing

4.3.4 Ingest Subsystem

IR1, Version 1.03 IR1_INGEST_SGI_040496.tar.Z Tar File Listing

4.3.6 Planning and Processing Subsystem (PDPS) and SSI&T

- IR1, Version 1.03 IR1_PDPS_AIT_SUN5_040896.tar.Z Tar File Listing

- IR1, Version 1.03 IR1_PDPS_AIT_SGI_040896.tar.Z Tar File listing

5.2 Ir1 Non-Conformance Reports (Closed Status)

```
NCRs closed as of April 10, 1996
Problem Id: ECSed01626
Severity:   3
Title:      Error in sending DDN from Ingest to Gateway


Problem Id: ECSed01627
Severity:   3
Title:      FTP - ERRORS during Ingest of data files


Problem Id: ECSed01628
Severity:   3
Title:      FTP of files occurs twice during the Ingest
process
```

Problem Id: ECSed01647
Severity: 3
Title: DpAtExecutionMain.err/.out need more than owner
             write privilege

Problem Id: ECSed01648
Severity: 3
Title: Install create of ir1_pdps needs insert of a
             default tbl_dpr entry

Problem Id: ECSed01650
Severity: 4
Title: Help on command line DPR submission is wrong

Problem Id: ECSed01651
Severity: 4
Title: Successful PGE registration needs to return
             pge_id to command line

Problem Id: ECSed01653
Severity: 3
Title: MSFC h/w/home/* volumes are automounted to GSFC
             DAAC/home/*

Problem Id: ECSed01654
Severity: 5
Title: Anonymous FTP not supported in Ir1

Problem Id: ECSed01659
Severity: 3
Title: DpAtINSTALL.sh script needs to be updated

Problem Id: ECSed01673
Severity: 2
Title: EDC failure to create
             /Ir1_IT/AI_T/bin/sun5/TempJilScript

Problem Id: ECSed01682
Severity: 1
Title: SGI32/64 byte TOOLKIT will not load on the SGI
             Indy at MSFC

Problem Id: ECSed01691
Severity: 4
Title: SSI&T Prolog Extractor should allow *.f F90 file
             extensions

Problem Id: ECSed01733
Severity: 4
Title: Clobbering of SDP Toolkit environment setup

Problem Id: ECSed01736
Severity: 3
Title: Cannot submit CCRs from GSFC DAAC Ir1 machines

Problem Id: ECSed01757
Severity: 3
Title: Ir1 perl outdated

Problem Id: ECSed01759
Severity: 2
Title: PGSHOME directory structure different for SCF and
             DAAC toolkits

Problem Id: ECSed01778
Severity: 3
Title: License for FORCHECK is available on only one of
             the Sun AITs

Problem Id: ECSed01780
Severity: 5
Title: Command line help for pccheck.sh is incorrect

Problem Id: ECSed01814
Severity: 4
Title: Prohibited fn checker flags prohibited fns that
             are part of other words

Problem Id: ECSed01817
Severity: 3
Title: The checker flags the keyword sign in source code

Problem Id: ECSed01818
Severity: 3
Title: There is only one license available for Z-Mail.
             Only one user can access

Problem Id: ECSed01819
Severity: 3
Title: CERES/MISR/MOPITT TK Mods for LaRC

Problem Id: ECSed01823
Severity: 2
Title: Toolkit cannot location PCF when updating for
             Temp I/O

Problem Id: ECSed01824
Severity: 2
Title: Toolkit cannot seem to update PCF with temporary
             I/O entries

Problem Id: ECSed01826
Severity: 3
Title: Error in PGS_PC_Shell.sh Help screen

Problem Id: ECSed01829
Severity: 2
Title: Need better command-line interface to allow
              longer list of options

Problem Id: ECSed01843
Severity: 2
Title: Upgrade to HDF 4.0 required

Problem Id: ECSed01844
Severity: 2
Title: Heap and Stack Space updates for Ada

Problem Id: ECSed01859
Severity: 4
Title: Prohibited Func checker flags commented out
              functions

Problem Id: ECSed01861
Severity: 3
Title: SSIT Manager comparison fails for binary files
              (DR 29)

5.3 Ir1 Non-Conformance Reports (Open Status)

NCRs still opened as of April 10, 1996
Problem Id: ECSed01564
Severity: 4
Title: Line on Alarm Mgr. Window is chopped partially.

Problem Id: ECSed01656
Severity: 3
Title: syslogd causes system to crash when HPOV is
running.

Problem Id: ECSed01687
Severity: 3
Title: Special characters in password cause problems in
              FTP

Problem Id: ECSed01735
Severity: 4
Title: Sun core dump on exit

Problem Id: ECSed01751
Severity: 3
Title: Can not print from Excel

Problem Id: ECSed01758
Severity: 3
Title: Need setup files for all shells

Problem Id: ECSed01764
Severity: 2
Title: Science process and mss sun depend on each other
            for booting.

Problem Id: ECSed01776
Severity: 3
Title: Checker does not account for #ifdef's in source

Problem Id: ECSed01786
Severity: 3
Title: GUI disappears and program quits intermittently
            during normal analysis

Problem Id: ECSed01792
Severity: 3
Title: Climatology database not supplied

Problem Id: ECSed01805
Severity: 3
Title: Discrepancy in VDD and location/contents of the
            software

Problem Id: ECSed01810
Severity: 3
Title: PCF Checker can not handle big file

Problem Id: ECSed01812
Severity: 3
Title: Use of PCF template is not mandatory

Problem Id: ECSed01820
Severity: 3
Title: GUI disappeared after second file specified

Problem Id: ECSed01821
Severity: 3
Title: HDF file comparison tool dies without error

Problem Id: ECSed01822
Severity: 3
Title: IMSL function rline aborts

Problem Id: ECSed01827
Severity: 3
Title: PCF Checker does not check if filenames are
            missing

Problem Id: ECSed01842
Severity: 3
Title: Need Default Printer for Science Processor

Problem Id: ECSed01845
Severity: 4
Title: Install emacs on the Science Processor

Problem Id: ECSed01847
Severity: 3
Title: Single-Threaded IMSL required for NAG F90

Problem Id: ECSed01849
Severity: 3
Title: Apparent csh incompatibilities with AutoSys

Problem Id: ECSed01850
Severity: 3
Title: PGSMSG directory requires world write

Problem Id: ECSed01851
Severity: 2
Title: IMSL and NAG f90 object files are incompatible

Problem Id: ECSed01852
Severity: 2
Title: Problems with networker software

Problem Id: ECSed01854
Severity: 4
Title: ClearCase Admin manuals

Problem Id: ECSed01860
Severity: 2
Title: Hardware errors with jukebox on spr1sgigsfc

Problem Id: ECSed01862
Severity: 3
Title: Site hardware does not match VDD (DR 43)

Appendix F. Archive Tapes

The following magnetic tape is used to archive the delivered baseline configuration of the developed software.

904-PR-007-005
Label: ECS IR1 Distribution   Date: April 10, 1996
>>> 5.0gbyte format (high density) <<<

HDF3.3r4.tar.Z
IR1_CSS_HP_122095.tar.Z
IR1_CSS_SGI32_122095.tar.Z
IR1_CSS_SGI64_122095.tar.Z
IR1_CSS_SGI_040396.tar.Z
IR1_CSS_SUN5_020796.tar.Z
IR1_DSS_SUN5_122095.tar.Z
IR1_INGEST_SGI_040496.tar.Z
IR1_INGEST_SUN5_122095.tar.Z
IR1_MSS_HP_020896.tar.Z
IR1_MSS_SGI_020896.tar.Z
IR1_MSS_SUN5_020896.tar.Z
IR1_PDPS_AIT_SGI_040896.tar.Z
IR1_PDPS_AIT_SUN5_040896.tar.Z
IR1_TOOLKIT_041096.tar.Z
IR1_TOOLKIT_110995-AAdata.tar.Z
All documents (VDD and User's Guide)
Command to copy file to disk: dd if=## of=file.tar
Command to untar tar file: tar xvf file.tar
where ## = your tape device and file.tar = Name you give tar file
You must uncompress the .Z files in file.tar
(uncompress IR1_CSS_HP_122095.tar.Z)

814-RD-004-004